



## PATENT ABSTRACTS OF JAPAN

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(72) Inventor: **ROSENSTEIN ROBERT W**  
**NAQUI ALI**  
**LOVELL STEPHEN J**  
**KEARNS KEVIN T**

(54) **SOLID PHASE ASSAY**

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(57) Abstract:

**PURPOSE:** To make it possible to solid phase analyze by a capillary tube flow by introducing liquid sample/reagent to a tracer part via the solid phase support of a first zone, mixing it with tracer and transferring as the flow to a second zone.

**CONSTITUTION:** An antibody tracer labeled by latex fine particles permeated by dye is permeated by porous polyethylene to form a tracer part 7. Liquid sample/reagent poured from an opening 5 is fed perpendicularly via the capillary tube of the solid phase support of a first zone, analyzing material in the sample is mixed with the tracer in the part 7, further mixed in an additional mixing part 8, and an incubating time for bonding is given. The material bonded to the tracer laterally feeds the second zone 9 of a microporous material disposed between an upper layer 10 and a lower layer 11 made of liquid permeable material as capillary tube flow, and the color of the tracer is visually detected by a detecting window 4. The analysis completion is confirmed by observing the dye of the tracer present in a complete window 3.

